Title: Apparatus and Methods for Texture Mapping Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.
Express Mail Mailing Label No.: EL 988705041 US
SHEET 1 OF 28

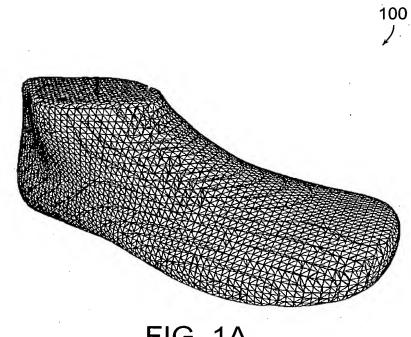


FIG. 1A

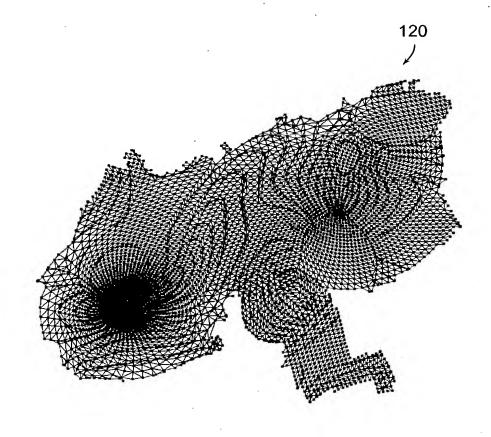


FIG. 1B

Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.
Express Mail Mailing Label No.: EL 988705041 US
SHEET 2 OF 28

2/28

200 /

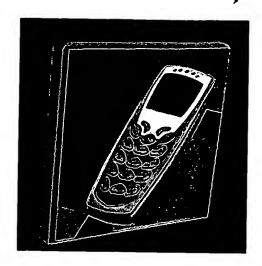


FIG. 2A

220 ·

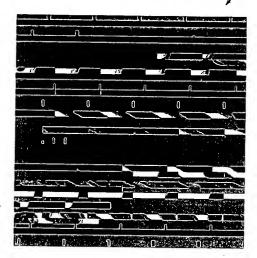
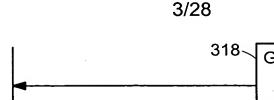


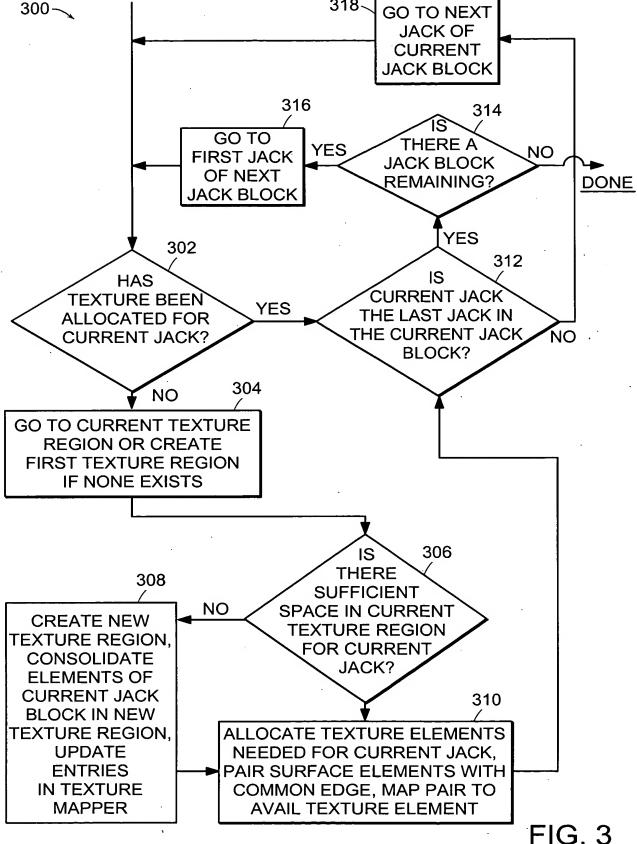
FIG. 2B

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Express Mail Mailing Label No.: EL 988705041 US

SHEET 3 OF 28





Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.
Express Mail Mailing Label No.: EL 988705041 US
SHEET 4 OF 28

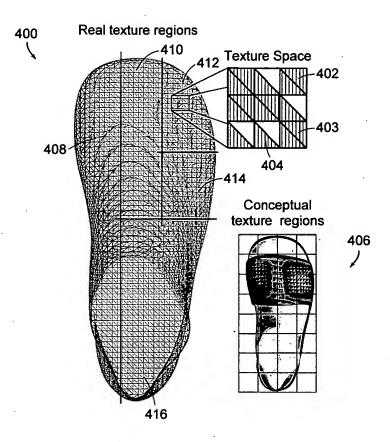


FIG. 4A

Title: Apparatus and Methods for Texture Mapping Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.
Express Mail Mailing Label No.: EL 988705041 US
SHEET 5 OF 28

5/28

420

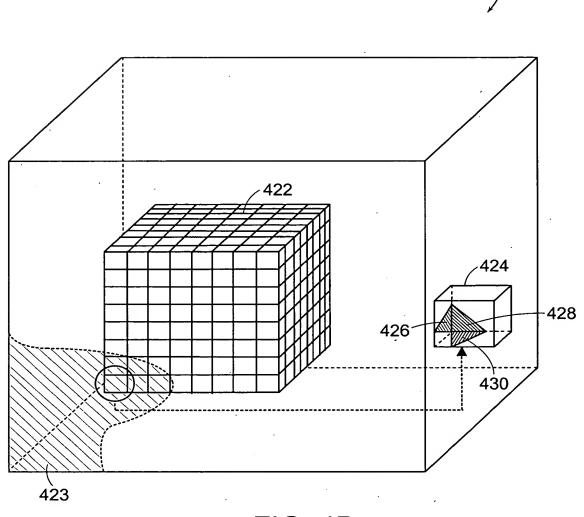
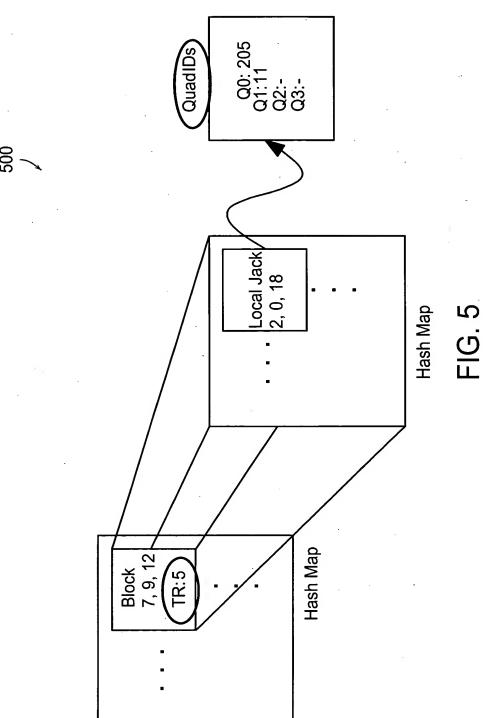


FIG. 4B

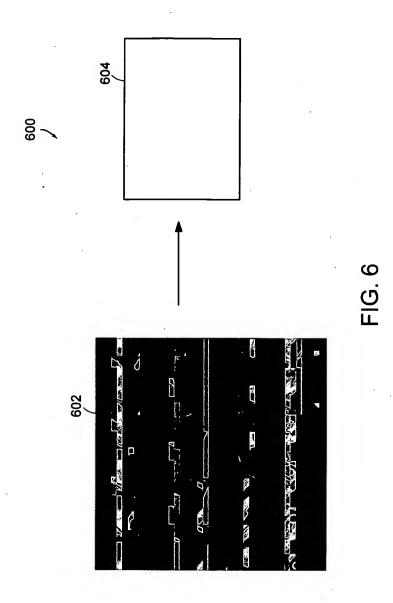
Title: Apparatus and Methods for Texture Mapping Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.
Express Mail Mailing Label No.: EL 988705041 US
SHEET 6 OF 28

6/28



500

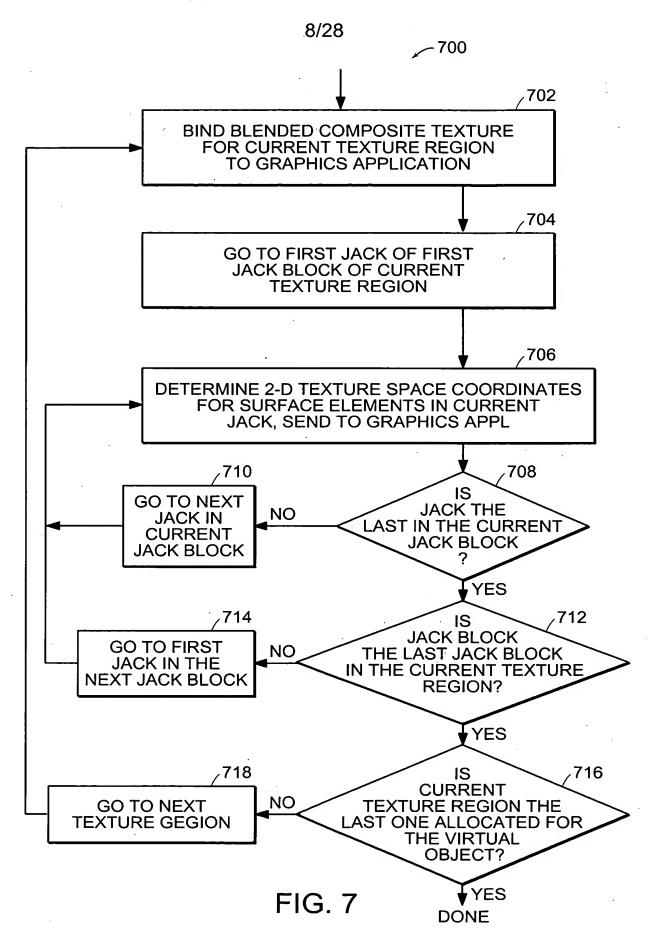
7/28



Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.

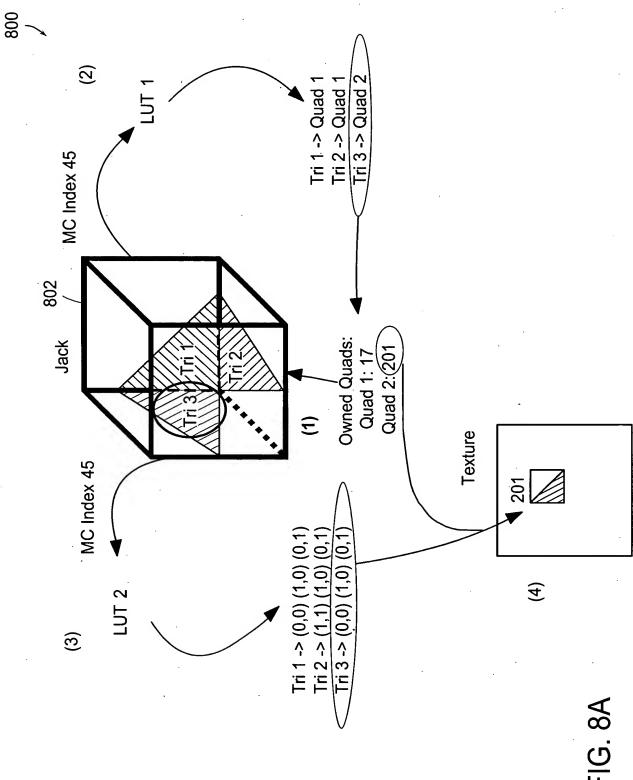
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SHEET 8 OF 28



Inventors: Levene et al. Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.
Express Mail Mailing Label No.: EL 988705041 US
SHEET 9 OF 28





Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.

Express Mail Mailing Label No.: EL 988705041 US

SHEET 10 OF 28



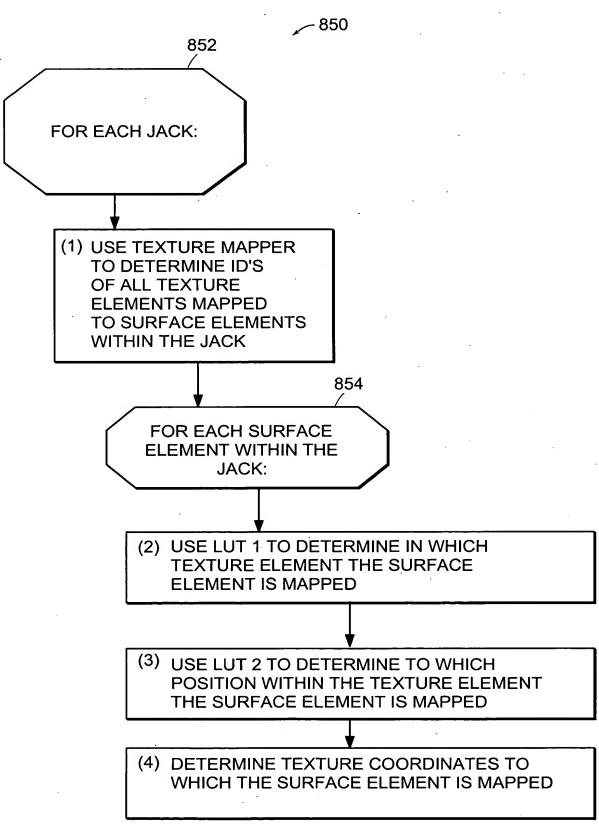


FIG. 8B

Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.

Express Mail Mailing Label No.: EL 988705041 US

SHEET 11 OF 28

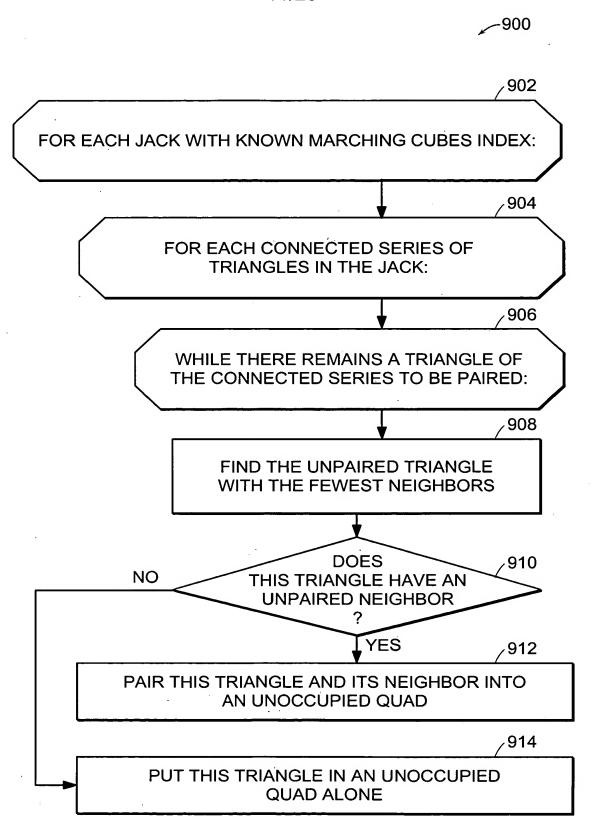


FIG.,9

Inventors: Levene et al. Serial No.: Not yet assigned Atty. Docket No.: SNS-015 Atty.: William R. Haulbrook, Ph.D.

Express Mail Mailing Label No.: EL 988705041 US SHEET 12 OF 28

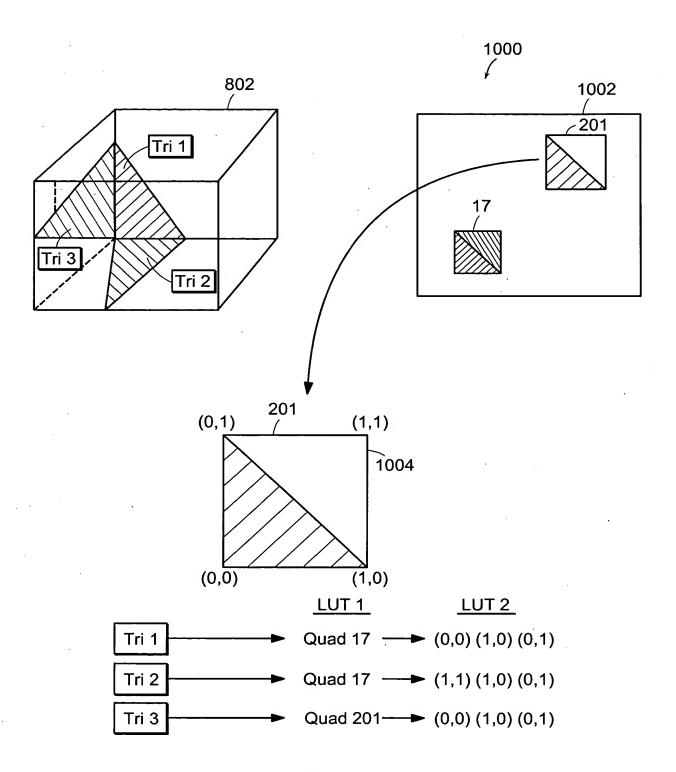
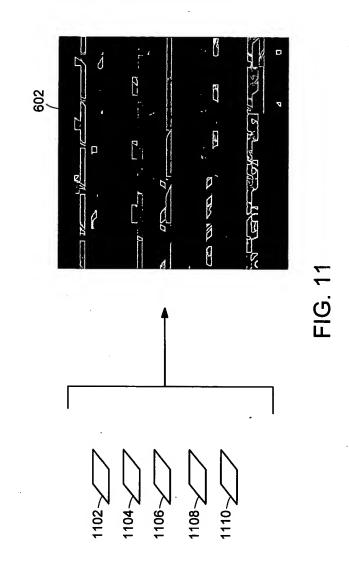


FIG. 10

Title: Apparatus and Methods for Texture Mapping Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.
Express Mail Mailing Label No.: EL 988705041 US
SHEET 13 OF 28

13/28



Title: Apparatus and Methods for Texture Mapping Inventors: Levene et al. Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.
Express Mail Mailing Label No.: EL 988705041 US **SHEET 14 OF 28** 14/28 Pointer to Non-uniform quad Non-uniform (expanded) quad Uniform (collapsed) quad Next free quad Legend Z Z Z Collapsible Texture 1212 1206-Z Z Z Z Z Z Z Contiguous Texture

Z

Z Z Z Z Z Z Z Z Z Z

Z

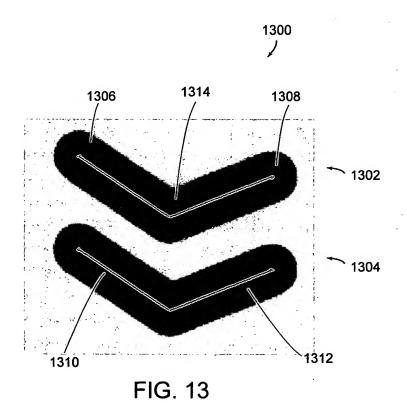
Z

Z

Z

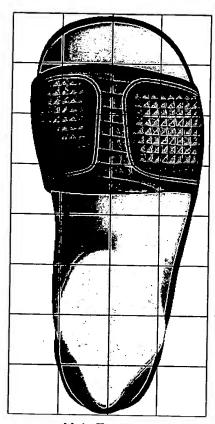
Z

1200



Inue. Apparatus and interious for fexture mapping Inventors: Levene et al.
Serial No.: Not yet assigned
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Express Mail Mailing Label No.: EL 988705041 US
SHEET 16 OF 28

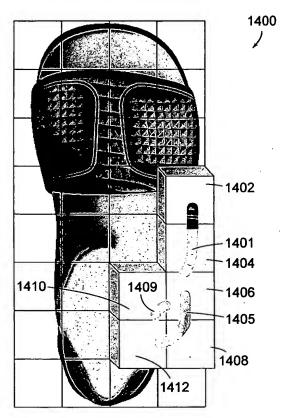
16/28



Main Texture

FIG. 14A

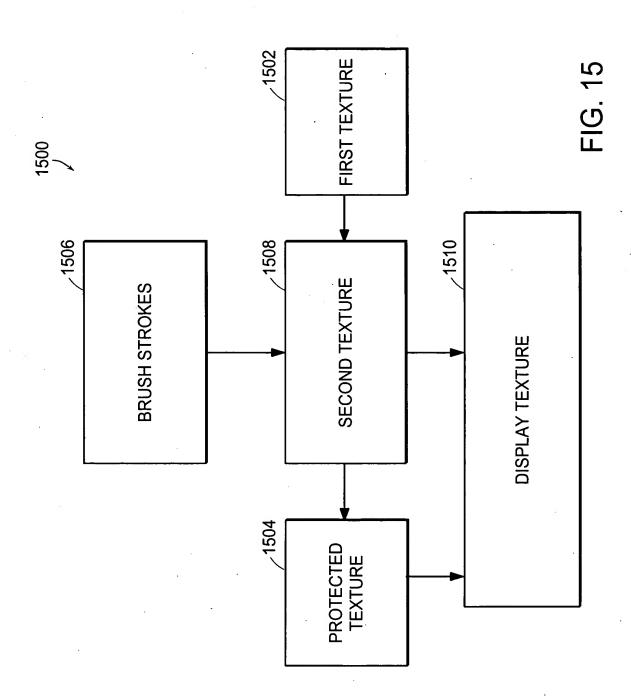
Title: Apparatus and Methods for Texture Mapping Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.
Express Mail Mailing Label No.: EL 988705041 US
SHEET 17 OF 28



Main Texture + Scratch Textures

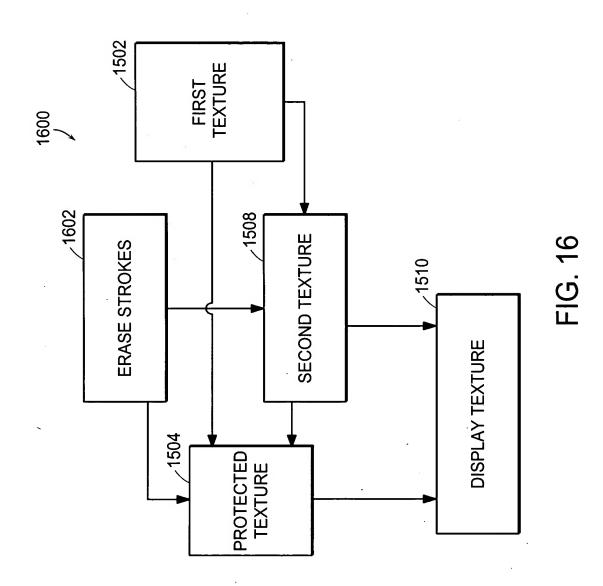
FIG. 14B

Title: Apparatus and Methods for Texture Mapping Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.
Express Mail Mailing Label No.: EL 988705041 US
SHEET 18 OF 28



Title: Apparatus and Methods for Texture Mapping Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.
Express Mail Mailing Label No.: EL 988705041 US
SHEET 19 OF 28

19/28



Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.

Express Mail Mailing Label No.: EL 988705041 US

SHEET 20 OF 28



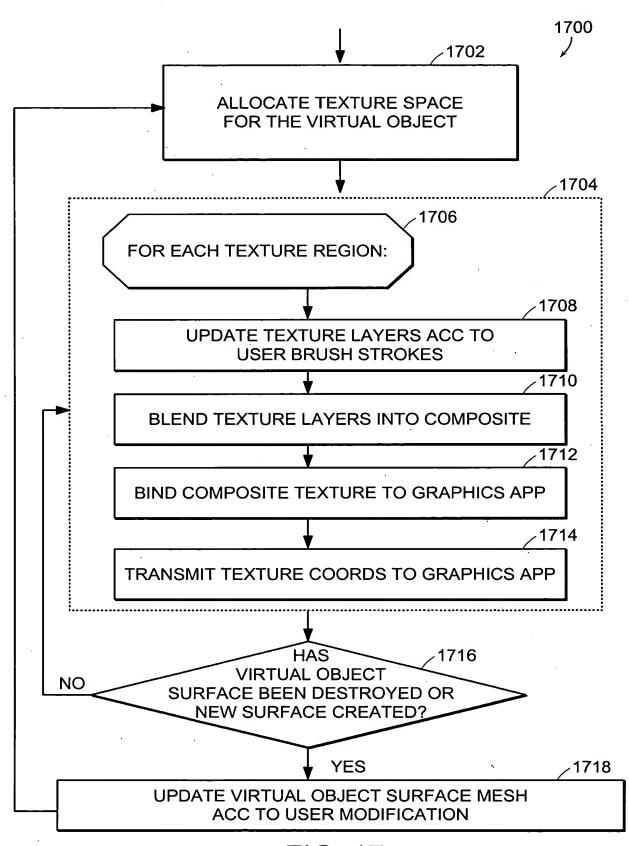


FIG. 17

Title: Apparatus and Methods for Texture Mapping Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.
Express Mail Mailing Label No.: EL 988705041 US
SHEET 21 OF 28



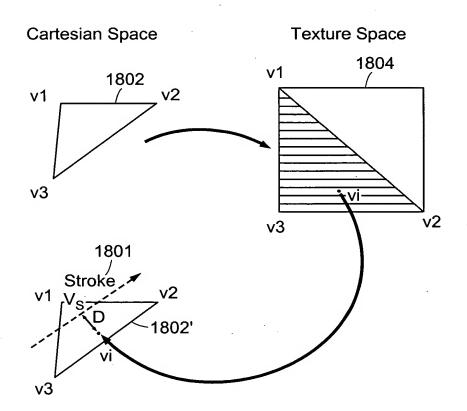


FIG. 18

Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.

Express Mail Mailing Label No.: EL 988705041 US

SHEET 22 OF 28

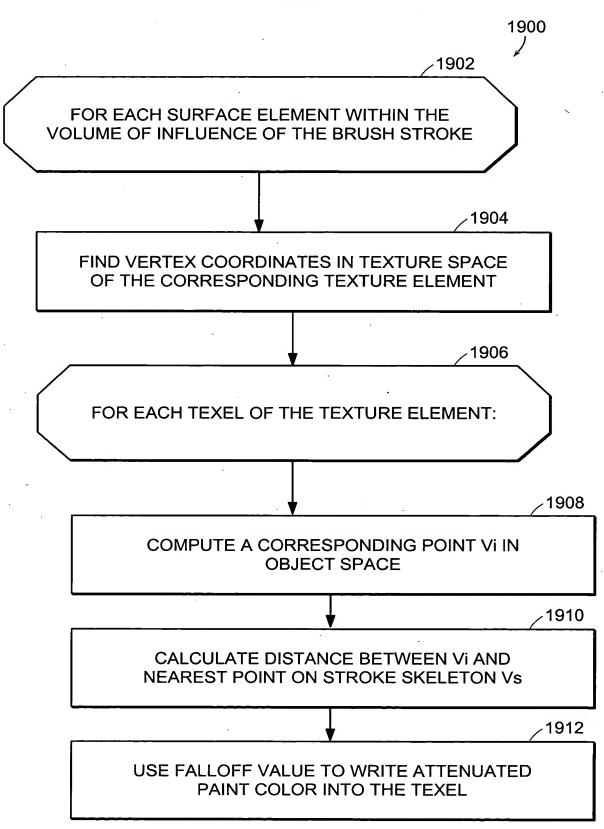


FIG. 19

Title: Apparatus and Methods for Texture Mapping Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015 Atty.: William R. Haulbrook, Ph.D. Express Mail Mailing Label No.: EL 988705041 US SHEET 23 OF 28 23/28 2020 ColorTextureRegion ColorQuadTexture RegionComponent QuadTexture 2018 Component Region Layer .2016 ColorTextureRegion **TextureRegion** 2014 Component Component CompositeColorTexture CompositeColorTexture 2012 2010 Region Region **TextureRegion** TextureMapper 2008 2006 "contains multiple instances of" "inherits from" ,2001 "contains an instance of" TextureManager 2004 WorkspaceData **Legend**

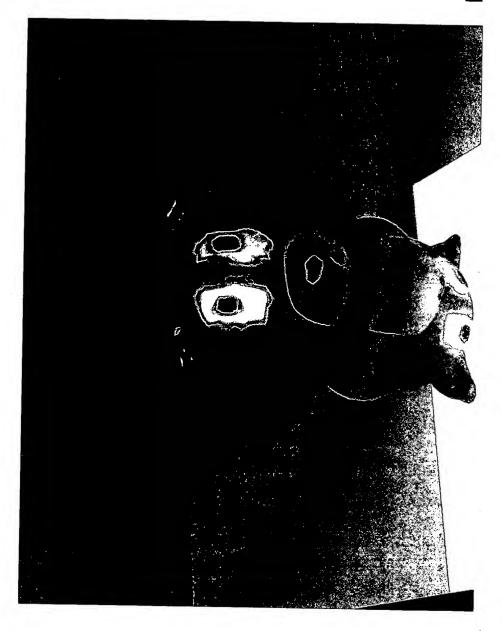
2002

Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.
Express Mail Mailing Label No.: EL 988705041 US SHEET 24 OF 28 2100 24/28 "temporarily contains FIG. 21 storing intensity **exture** blocked (optimized) texe **IntensityQuadTexture** RegionComponent an instance of" texture class Template for 2018 QuadTexture Component ColorQuadTexture RegionComponent Region **Fexture** color per storing SelectionTextureRegion 2114 texel "contains multiple texture class Template for Component instances of" 2016 2020 ScratchTextureRegion 2112 TextureRegion ColorTextureRegion Component Component **Fexture storing** color per texel Component 2022 ColorTextureRegion 2010 2014 "contains an instance of paint layer data temp paint stroke **Fexture storing** Layer exture storing ||CompositeColorTexture 2012 CompositeColorTexture selection exture storing for composite Region paint layers "inherits from" nterface Region storing/blending paint layers **Texture TextureStrokeManager TextureUndoManager** texture classes in Container for all -Legend one region 2108 TextureAllocator **TextureMapper TextureRegion** 2006 2008 2104 2106 Class storing texture map -2002 Class managing` exture data paint strokes blending of storing all Class managing undoing of paint removal during allocating Class Class for clay changes texture **Texture** Manager WorkspaceData 2004

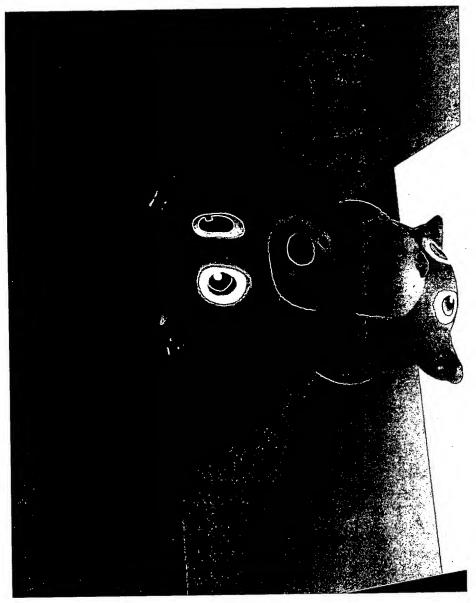
Title: Apparatus and Methods for Texture Mapping

Inventors: Levene et al.

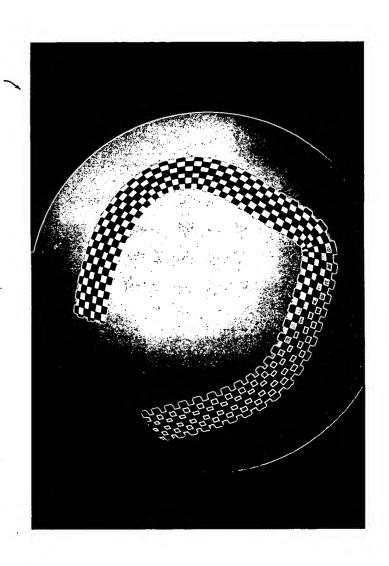
2200







Title: Apparatus and Methods for Texture Mapping Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.
Express Mail Mailing Label No.: EL 988705041 US
SHEET 27 OF 28



Title: Apparatus and Methods for Texture Mapping Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.
Express Mail Mailing Label No.: EL 988705041 US
SHEET 28 OF 28

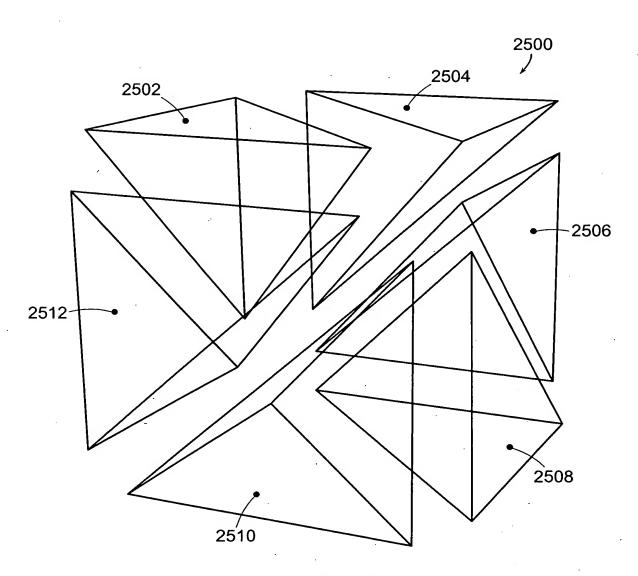


FIG. 25.

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